

ASE DS-2C Rain/Snow Sensor Controller

The DS-2C is the base model of the DS series. It is primarily designed for automatic control of driveway, sidewalk, and other pavement snow melting applications, satellite antenna/broadcast tower deicing and can be used as a sensor for larger control systems. The unit may also be used as a stand-alone rain sensor/controller for high frequency satellite rain diversion applications and intake air handling. The unit is housed in a two gang PVC enclosure.



Specifications:

Operating Temperature

- -40 °F to +185 °F (-40 °C to +85 °C)

Supply Power

- 100-277 VAC 50/60 Hz 15 W maximum

Programming

- Delay Off (Sensor):
2 minutes
- Delay Off (Controller):
30-90 Min/2-6 Hr Field Selectable

Dimensions (H-W-D)

- 4 3/4" (120 mm) x 7" (178 mm) x 2 3/4" (70 mm)

Weight

- 2 Lbs (0.9 Kg)

Features:

- **Automatic Activation means Lower Deicing Costs**
- **Reliable Rain and Snow Detection**
Automatic position can handle all detections and control
- **Full 30 A @ 277 VAC Control**
High Power, Low Price
- **Adjustable Temperature Trigger Point**
Trigger Temperature is Adjustable from 34 °F to 44 °F (1.1 °C to 6.6 °C)
Selectable Low Temperature Cutoff
- **Universal 100-277 VAC 50/60 Hz Operation, No Strapping Required**
- **Easy Installation, Full Access to Electronics**
Access all electronics by just removing four screws
- **Adjustable Delay Off Cycle / Smart "Manual On"**
30-90 minute or 2-6 hour ranges
- **Super Bright Power/Activation LED Indicator**

Additional Information

The DS-2C can be powered from a 100-277 VAC 50/60 Hz source. Peak power consumption is 15 watts. Input voltage selection is automatic. The unit provides a single 277 VAC @ 30 A normally open load contact set. This contact set is paralleled with a low power contact set to provide remote activation monitoring. Operational temperature range is -40 °C to +85 °C.

An environmentally sealed control switch is provided. The "Manual On" function activates the controlled equipment for testing and special operational conditions. The "Automatic" position allows the DS-2C to handle all detections and control. The "Standby/Reset" position disables triggering and can also be used to clear the delay off timer from true or test activation.

A connection terminal for remote control and monitor at up to 1000 feet away is provided. The DS-2C is compatible with the DP-7B, DP-7EX, and CDP-2 remote control/status panels and can be connected directly to building automation systems.

The DS-2C also has a Super Bright LED indicator, providing a method to check proper power and trigger status when the unit is mounted in a "hard to reach" location. Steady OFF indicates no power to the unit. Steady ON indicates power but no trigger. A blinking LED indicates the DS-2C is triggered and deicing is taking place.